

5/13/04  
JL 30/08**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U.S. Patent Application

CARLIN *et al.*

Application Number: 09/457,724

Filed December 10, 1999

For: WIDEBAND COMMUNICATION INTERCEPT  
AND DIRECTION FINDING DEVICE  
USING HYPERCHANNELIZATION

Attorney Docket No. ARGO.0001

Art Unit 2631

Examiner  
Corrielus, Jean B.**RECEIVED**

MAR 30 2004

Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Technology Center 2600

**AMENDMENT AND REQUEST FOR RECONSIDERATION**

Sir:

This is in response to the Office Action mailed on March 20, 2003, the period of response to which will expire on June 20, 2003. Please amend the above-referenced application as follows:

**IN THE SPECIFICATION:**

Please replace the third paragraph of page 1 of the Disclosure currently on file with the following paragraph:

In addition, the present invention relates to detection, demodulation, and determination of direction of signal activity, and in particular, to a signal intercept and direction finding device using general purpose commercial-off-the-shelf (COTS) digitally programmable devices to hyperchannelize radio or acoustical spectrum into spectral cells narrower than the signal structure of interest so as to detect, synthesize, and recognize arbitrary signal activity, and determine signal direction by phase determination of angle of arrival or time difference of arrival.